

REMARKS

The above-identified application is United States application serial number 10/823,241 filed on April 12, 2004. Claims 1-21 are pending in the application. Claims 1-21 are rejected.

Claim Objections

Applicants have amended Claim 19 as directed by the Examiner.

Rejection of Claims Under 35 USC §102

Claims 1-6 and 15-20 are rejected under 35 U.S.C. 102(b) as being anticipated by the Dandrea et al. (US Appl. Pub. 2002/0013864), herein after referred to as Dandrea '864, the particulars of which are further described by Bleidt et al. (US 5,671,377) herein after referred to as Bleidt '377 (see Dandrea '864, Paragraph 28, Line 7; Bleidt '377 is incorporated by reference in Dandrea '864). Applicants have amended the claims. Amended Claims 1-6 and 15-20 distinguish over Dandrea as described by Bleidt at least on the basis that the references do not disclose usage of waiting queues that hold identifiers of client/server combinations wherein the waiting queue is associated with resources for which resource consumption is increased and reduced. The claims specify two types of queues – (1) resource queues that hold accesses to the resources, and (2) waiting queues that hold identifiers of the client/server combinations for accessing the particular resources. In contrast, Dandrea as described by Bleidt do not disclose the claimed types of queues but rather only teach queues analogous to applicants' claimed resource queues which hold requests directed to resources. While Dandrea as described by Bleidt do identify steady-state queues, new subscriber queues, and other request queues – each of these identified queues hold accesses or requests to resources and are thus analogous to applicants' claimed resources queues. The queues disclosed by Dandrea as described by Bleidt do not operate as the claimed waiting queues wherein client/server identifiers are pushed onto the queue when resource consumption is increased and the identifiers are popped when resource consumption is

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decreased. Dandrea omits any discussion of such a waiting queue. Bleidt discloses local allocation tables including global (GAT), and current local (CLAT), and next local (NLAT) allocation tables which hold user identifiers, but do not operate as a queue and do not queue (push) and dequeue (pop) the identifiers in response to changes in resource consumption. Furthermore, the allocation tables in Bleidt do not operate in conjunction with resource queues to control the interruption and restoration of accesses on the queues. The step 904 of Bleidt cited by the Examiner does not disclose manipulation of a queue to allocation access between users but merely describes passage of user IDs to specify which processors handle a particular user. Bleidt does not teach that the allocation tables operate of a queue.

Claims 8-14 are rejected under 35 U.S.C. 102(b) as being anticipated by the Krakirian (US Patent 5,603,066), herein after referred to as Krakirian '066. Applicants have amended the claims. Amended Claims 8-14 distinguish over Krakirian at least on the basis that the reference does not disclose "queu[ing] an identifier of the identified adapter/LUN combination on a waiting queue associated with a resource for which the resource consumption is increased to the predetermined level." Krakirian does not disclose usage of waiting queues that hold identifiers of client/server combinations wherein the waiting queue is associated with resources for which resource consumption is increased and reduced. Instead Krakirian discloses only the resource queue type of queues which stores commands to be executed.

Rejection of Claims Under 35 USC §103

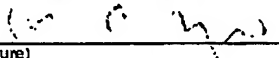
Claim 7 is rejected under 35 U.S.C. 103(a) as obvious over Dandrea '864 in view of Krakirian '066. Applicants have amended the claims. Claim 7 distinguishes over Dandrea in view of Krakirian at least because the combined references do not disclose usage of waiting queues that hold identifiers of client/server combinations wherein the waiting queue is associated with resources for which resource consumption is increased and reduced.

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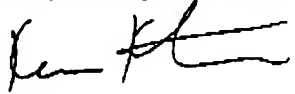
CONCLUSION

Applicants believe all remaining claims are in form for allowance and a notice to that effect is solicited. No new matter has been added. In the event it would facilitate prosecution of this application, the Examiner is invited to telephone the undersigned at (949) 251-0250.

I hereby certify that this correspondence is being facsimile transmitted to the USPTO, Central Number at (571) 273-8300 on the date shown below:


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